

3. Due to considerable overlap between the major requirements and general education (GE), this TMC presumes that all courses in the TMC do fill the indicated CSU-GE requirement. If the courses at a given college do not currently fill all the indicated GE requirements, colleges may want to pursue further CSU-GE approval, or a TMC-aligned degree may not be possible within the SB 1440-mandated 60 unit maximum for the total degree.

CERTIFICATE

TEACHER EDUCATION PREPARATION



CERTIFICATE OF ACHIEVEMENT

CAREER/TECHNICAL (MAJOR CODE: 01415)

Designed for students initiating their preparation to enter the education field. Includes early field experience in K–12 public school classrooms and the skills necessary for success as a teacher through specified coursework. Program participants must attend one STEP program orientation per semester.

Program Student Learning Outcome Statement:

- Acquire the skills necessary to work as a paraprofessional in education.

GAINFUL EMPLOYMENT:

The U.S. Department of Education requires colleges to disclose a variety of information for any financial aid eligible program that “prepares students for gainful employment in a recognized occupation.”

Students who complete this program will have acquired the necessary analytical tools to successfully secure gainful employment in the field of study.

For more information regarding the data provided for this program and what it means to you as a student, please feel free to visit our SWC Gainful Employment website at: www.swccd.edu/gainfulemployment.

COMM 103	Oral Communication	3
ED 100	Tutor Training: Level I	2
ED 110	Teaching and Learning Practicum	2
ED/ENGL 200	Teaching as a Profession	3
ENGL 115	College Composition: Reading and Writing Analytically	4
Total units		14

- * Required ENGL 115 must be fulfilled by taking a section of ENGL 115 designated for “For Future Teachers”.

ELECTRONICS

SCHOOL OF BUSINESS AND TECHNOLOGY

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DEAN: Mink Stavenga, DBA, Office 470K, 619 482-6569

DEPARTMENT CHAIR: Thomas Luibel, B.S.

GENERAL DESCRIPTION

Electronics is a technological giant among America’s businesses and industries. The electronics technician possesses the fundamental knowledge of both the engineer and the craftsman and thus acts as a liaison between them. Our programs offer opportunities for certification studies in the field. Study in this program consists of building and testing prototype circuits and equipment, modifying electronic apparatus, and interpreting schematic drawings and sketches. Computer electronics is also emphasized with programs focused on microsoft certified systems. Intensive Training and Computer Systems Intensive Certification training. Southwestern College is a member of the International Electronics Technicians Articulation Committee (IETAC).

CAREER OPTIONS

Below is a sample of the career options available for the electronics/electrical majors. Most of these require an associate degree, some require a bachelor’s degree, and a few require a graduate-level degree: electronics mechanic, automated systems technician, manufacturing specialist, computer support technician, electrical/electronics test technician, engineering assistant, telecommunications engineer and technician, network specialist, sales representative, and service technician. Entry-level career opportunities are available in electric utilities, industrial plants, engineering firms, electrical manufacturing, smart home construction and landscaping businesses, telecommunications, biomedical electronics, and radio and television stations.

DEGREE/CERTIFICATE OPTIONS

MAJOR CODE

Certificates of Proficiency

Electronics—Computer Technician—Basic	A2908
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Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.



ELECTRONICS: COMPUTER TECHNICIAN: BASIC

CERTIFICATE OF PROFICIENCY

CAREER/TECHNICAL (MAJOR CODE: A2908)

Provides intensive training in the operation and maintenance of computers, computer peripherals, and computer networks.

Program Student Learning Outcome Statement

- Students will be able to use classroom materials to successfully prepare to sit for and to pass the CompTIA A+ and Security+ examinations.
- Students will use reasoning to be able to resolve any problem that may be encountered with a computer or a computer network.
- Students will be able to work effectively with diverse groups of people with much more or much less education and/or experience than themselves.
- Student will be able to use all available materials to solve problems that they encounter while working with computers or networks.

ELEC 109/CIS 119	Office Support and Network Technician (6)	
	OR	6-8
ELEC/CIS 10A	Microcomputer Repair and Service (2)	
	AND	
ELEC/CIS 10B	Microcomputer Hardware and Software Upgrade (2)	
	AND	
ELEC/CIS 14	Office Automation Equipment Repair (2)	
	AND	
ELEC 15	Data, Voice, and Video Cable Installation (2)	
ELEC 260	Microcomputer Systems and A+ Certification	4
ELEC 266	Network Management for Technicians	4
CIS 139	Windowing Environments	1
Total units		15-17

EMERGENCY MEDICAL TECHNOLOGY AND PARAMEDIC

HIGHER EDUCATION CENTER AT OTAY MESA

DEAN: Silvia Cornejo, M.A., Office 4118D, 619-216-6755

FACULTY: Ronald Ungar, M.A.; Jason Hums, M.P.H

DEPARTMENT CHAIR: Ronald Ungar, M.A.

DIRECTOR: Devin Price, M.S.

GENERAL DESCRIPTION

Emergency medical technology and paramedic is the study of emergency medical care and the evaluation and treatment of injuries. These programs focus on both technical and practical knowledge while providing requisite skills to evaluate and treat a wide variety of medical and trauma emergencies in the prehospital setting. Students learn to administer medication, start intravenous lines, interpret EKG rhythm strips, and defibrillate patients in cardiac arrest, as well as to administer many other advanced life support procedures.

CAREER OPTIONS

Below is a sample of the career options available for the emergency medical or paramedic major. Most require an associate degree, some require a bachelor's degree, and a few of these require a graduate-level degree: emergency medical technician, paramedic, vocational teacher, college instructor, search and rescue responder, hospital technician, and emergency room technician.

DEGREE/CERTIFICATE OPTIONS

MAJOR CODE

Associate in Science Degree: Career/Technical

Emergency Medical Technology and Paramedic	02340
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Certificate of Achievement

Emergency Medical Technology and Paramedic	02341
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Consult with a counselor to develop a Student Education Plan (SEP), which lists the courses necessary to achieve your academic goal.

